

Serial No. 10/536,957

Attorney Docket No. 49-004-TN

**LISTING OF CLAIMS:**

1. (Currently amended) A device including a tool, a tool chuck, and a tool-holding device for holding a tool on a tool chuck, the tool on the tool chuck, prior to a heating of a locating region of the tool chuck and prior to an operation for shrink fitting the tool into the tool chuck, wherein the tool-holding device has having a tool locating a tool-accommodating region for at least partly locating accommodating at least a part of the tool, a connecting region for arranging on engaging the tool chuck, and a positioning opening, through which a positioning means, which is for positioning the tool, can be placed against the tool arranged at least partly in the tool locating when at least the part of the tool is arranged in the tool accommodating region.

2. (Currently amended) The tool holding device as claimed in claim 1, wherein the tool locating region tool-accommodating region, when the tool chuck is arranged in the connecting region, is intended for holding holds the tool in alignment with a locating opening of the tool chuck.

3. (Currently amended) The tool holding device as claimed in claim 1, wherein the connecting region has a shank for arranging that is adapted to fit in a locating opening of the tool chuck.

4. (Currently amended) The tool holding device as claimed in claim 1, wherein a holding element provided for the elastic deformation is arranged in the connecting region and/or in the tool locating tool-accommodating region.

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5. (Currently amended) The ~~tool-holding device~~ as claimed in claim 4, wherein the holding element comprises an O-ring.

6. (Currently amended) The ~~tool-holding device~~ as claimed in claim 1, wherein a movably mounted holding element is arranged in the connecting region and/or in the ~~tool-leaving~~tool-accommodating region.

7. (Currently amended) The ~~tool-holding device~~ as claimed in claim 4, wherein the holding element is a rolling-element cage.

8. (Currently amended) The ~~tool-holding device~~ as claimed in claim 1, wherein the connecting region has an inner wall ~~for arranging~~that is adapted to fit around an outer wall of the tool chuck.

9. (Currently amended) The ~~tool-holding device~~ as claimed in claim 8, wherein the inner wall is tapered.

10. (Withdrawn) A method of positioning a tool in a tool chuck, in which a tool-holding device is arranged on the tool chuck and the tool is held by the tool-holding device and a characteristic element of the tool is scanned for positioning a positioning means, a force being

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applied to the tool by the positioning means through a positioning opening in the tool-holding device.

11. (Withdrawn) The method as claimed in claim 10, wherein the force on the tool is maintained during the measuring of the characteristic element.

12. (Withdrawn) The method as claimed in claim 10, wherein the positioning means is placed against the tool before the measuring of the characteristic element, and the tool is scanned when said positioning means is placed against it.

13. (Withdrawn) The method as claimed in claim 12, wherein the placing of the positioning means against the tool causes the tool to move, and the movement is used as a trigger for stopping the movement of the positioning means.

14. (Withdrawn) The method as claimed in claim 10, wherein the tool is lifted in the tool-holding device by the positioning means before the measuring of the characteristic element and remains lifted during the measuring.

15. (Withdrawn) The method as claimed in claim 10, wherein an optical measuring system is focused on a predetermined point, the optical measuring system, if the tool is absent or visible in the field of view of the optical measuring system, is brought closer to or respectively moved away from the tool chuck in the axial direction of a tool-locating region and, after the

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characteristic element appears in the field of view its actual position is determined and the force is then applied to the tool.

16. (Withdrawn) The method as claimed in claim 15, wherein, after the application of the force, the actual position is measured again for determining the desired position of the positioning means.

17. (Withdrawn) The method as claimed in claim 10, wherein the tool and the tool-holding device are separated from one another after the measuring and the tool is inserted into the tool chuck.

18. (New) The device as claimed in claim 1, wherein the tool is removed from the tool-holding device and the tool-holding device is removed from the tool chuck after a positioning process, and the tool is inserted into a locating opening of the tool chuck after a heating of a tool locating region of the tool chuck, wherein the heating starts said operation for shrink fitting of the tool into the tool chuck.

19. (New) The device as claimed in claim 1, wherein the positioning means is guided with a top stop through a positioning opening in a connecting region of the tool-holding device until the stop abuts against a shank of the tool.

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20. (New) The device as claimed in claim 1, wherein the tool rests on the positioning means when the tool is held by the tool-accommodating region of the tool-holding device in a positioning process.